

memorandum

DATE: January 31, 2007

REPLY TO

ATTN OF: NE-43

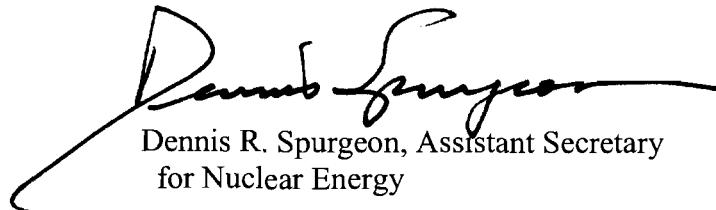
SUBJECT: Office of Nuclear Energy Annual National Environmental Policy Act Planning Summary for Calendar Year 2007

TO: David R. Hill, General Counsel

In response to your December 12, 2006, request and in accordance with Department of Energy Order 451.1B, *NEPA Compliance Program*, attached is the Office of Nuclear Energy Annual National Environmental Policy Act (NEPA) Planning Summary for calendar year 2007.

This submittal was coordinated with the Idaho Operations Office and includes NEPA actions underway and planned at the Idaho National Laboratory. However, the Idaho Operations Office will submit directly a planning summary that addresses NEPA actions underway and planned for the entire Idaho National Laboratory Site, which includes Office of Environmental Management activities.

If you have any questions, please contact Michael Worley, Director for Integrated Safety and Program Assurance, at 903-2915, or Raj Sharma, Office of Nuclear Energy NEPA Compliance Officer, at 903-2899.



Dennis R. Spurgeon, Assistant Secretary
for Nuclear Energy

Attachment

Annual NEPA Planning Summary Status of Ongoing NEPA Compliance Activities: Environmental Impact Statements	
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Office of Nuclear Energy
24-Jan-07

*Title, Location	Estimated Cost	Estimated Schedule		Description
Environmental Impact Statement for the Proposed Consolidation of Nuclear Operations Related to production of Radioisotope Power Systems	\$3,050,000	Determination Date:	July 2002	The proposed action is to consolidate nuclear operations related to production of radioisotope power systems for space and national security missions. These systems produce small amount of electrical power in remote harsh environments by converting the decay heat from Pu-238 into electricity via static or dynamic power conversion systems. These power systems have enabled various space missions and important national security applications.
		NOI:	11/16/2004	
		Scoping:	Dec-04	
		Draft	Jun-05	
		Hearings	Jul-05	
		Final	Aug-07	
		ROD	Sep-07	
Programmatic Environmental Impact Statement for the Global Nuclear Energy Partnership	\$5,800,000	Determination Date:	Mar 2006	Global Nuclear Energy Partnership (GNEP) would encourage expansion of domestic and international nuclear energy production while reducing nuclear proliferation risks, and reduce the volume, thermal output, and radiotoxicity of spent nuclear fuel (SNF) before disposal in a geologic repository. GNEP involves a programmatic proposal to begin to recycle SNF and destroy the long-lived radioactive components of that spent fuel. Toward this end, GNEP includes project-specific proposals to construct and operate three facilities: (1) a nuclear fuel recycling center would separate the SNF into its reusable components and waste; (2) an advanced recycling reactor would destroy long-lived radioactive elements in the fuel while generating electricity; and (3) an advanced fuelcycle research facility would perform research into SNF recycling process and other aspects of advanced nuclear fuel cycles.
		NOI:	1/4/2007	
		Scoping:	Feb-Mar 2007	
		Draft	Jul-07	
		Hearings	Fall 2007	
		Final	May-08	
		ROD	Jun-08	
No Environmental Assessments are expected to be prepared in the next 12 months.				
No other Environmental Impact Statements are expected to be prepared in the next 24 months.				
**Evaluation of Site Wide EIS:				

Annual NEPA Planning Summary Status of Ongoing NEPA Compliance Activities: Environmental Impact Statements

Idaho Operations Office

Jan-07

*Title, Location	Estimated Cost	Estimated Schedule		Description
Idaho High-Level Waste and Facilities Disposition Environmental Impact Statement (DOE/EIS-0287) - Idaho Nuclear Technology and Engineering Center on the Idaho National Laboratory	\$15,000,000	Determination Date:	6/9/97	The EIS presents an analysis of alternatives for the treatment and disposition of calcine, sodium-bearing waste, and newly generated liquid waste. The EIS also presents an analysis of closure alternatives for facilities related to the High-Level Waste Program at the Idaho Nuclear Technology and Engineering Center. The Draft EIS was approved on 12/13/99 and a Notice was published in the Federal Register on 1/21/2000. The Final EIS was approved 08/15/2002 and a Notice was published in the Federal Register on 10/11/2002.
		NOI:	9/19/1997	
		Scoping:	08/19-11/24/1997	
		Draft	1/21/00	
		Hearings	2/7-3/2/2000	
		Final	10/11/2002	
			1st ROD 12/19/2005, 2nd ROD 11/29/2006, 3rd ROD 12/31/2009F	
Supplement Analysis, Highly Enriched Uranium and Spent Nuclear Fuel Management	\$40,000	Supplement Analysis:		DOE will prepare a Supplement Analysis to summarize the environmental impacts of the continued operation of H-Canyon and associated facilities to prepare HEU, and HEU recovered from spent nuclear fuel, for disposition. DOE would continue to use the H-Canyon facility to process SNF and HEU materials and blend the HEU down to LEU for use as feedstock for fabrication of commercial nuclear fuel. The SA would also evaluate the impacts of the SRS - INL fuel swap. SRS is the lead Operations Office for this SA.
		Determination Date:	Oct-07	
		Approval:	Jan-07	
Supplement Analysis for the Treatment of Transuranic Waste at the Idaho National Laboratory and Transportation of Transuranic Waste in TRUPACT-III Containers	\$100,000	Supplement Analysis:		The proposed action is to ship both RH and CH TRU waste from small sites and the Hanford Site to the Idaho National Laboratory for treatment and characterization prior to shipment to WIPP. Carlsbad Field Office is the lead for development of the SA.
		Determination Date:	Mar-07	
		Approval:	Mar-07	
	Total Estimated Cost			
	\$15,140,000.00			

Annual NEPA Planning Summary Status of Ongoing NEPA Compliance Activities: Environmental Assessments

Idaho Operations Office

Jan-07

*Title, Location	Estimated Cost	Estimated Schedule Milestones)	(**NEPA	Description
The Remote Treatment Project	\$200,000	Determination Date: Transmittal to State: EA Approval: Decision	1/31/2001 Aug-07 Sep-07 Oct-07	The proposed action would provide heavily shielded facilities for sorting, characterizing, treating, and repackaging remote handled radioactive waste, including sodium contaminated components, presently stored at the Materials and Fuels Complex.
Consolidate and Expand Laboratory Operations at the Science and Technology Campus located in Idaho Falls, Idaho	\$75,000	Determination Date: Transmittal to State: EA Approval: Decision	1/9/2006 11/29/2006 Feb-07 Feb-07	The proposed action would be to consolidate and expand existing laboratory and business operations in a single geographic area at the Science and Technology Campus located in Idaho Falls, Idaho to accommodate program growth and laboratory relocation.
National Security Test Range	\$50,000	Determination Date: Transmittal to State: EA Approval: Decision	3/1/2006 12/6/2006 Feb-07 Feb-07	The proposed action would develop a test range to allow for long-term testing of protection systems such as cameras, barriers, and fences. Testing would include the use of explosives.
		Determination Date: Transmittal to State: EA Approval: FONSI:		
		Determination Date: Transmittal to State: EA Approval: FONSI:		
		Determination Date: Transmittal to State: EA Approval: FONSI:		
		Determination Date: Transmittal to State: EA Approval: FONSI:		
	Total Estimated Cost			
	\$325,000.00			

Annual NEPA Planning Summary Environmental Impact Statements Expected to be Prepared in the Next 24 Months

Idaho Operations Office

Jan-07

*Title, Location	Estimated Cost	Estimated Schedule (**NEPA Milestones)	Description
No DOE-ID specific EISs are expected in the next 24 months.		Determination Date:	
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Annual NEPA Planning Summary Environmental Assessments Expected to be Prepared in the Next 12 Months

Idaho Operations Office

Jan-07

*Title, Location	Estimated Cost	Estimated Schedule (**NEPA Milestones)		Description
Advanced Test Reactor Transfer Shuttle Irradiation Facility at the Idaho National Laboratory	\$50,000	Determination Date:	TBD	The proposed action would build a transfer shuttle, also called a rabbit, for the Advanced Test Reactor that would allow for insertion and removal of isotope production packages while the reactor is operating.
		Transmittal to State:		
		EA Approval:		
		Decision		
Treatment of Contact-Handled Transuranic Waste, Idaho National Laboratory Site	\$100,000	Determination Date:	TBD	The proposed action would treat contact-handled transuranic waste currently located at the Radioactive Waste Management Complex for eventual disposal.
		Transmittal to State:		
		EA Approval:		
		Decision		
Low-Level Radioactive Waste Disposition Project	\$100,000	Determination Date:	TBD	The proposed action would provide safe, compliant, and reliable disposal of Idaho National Laboratory contact-handled and remote-handled low-level waste.
		Transmittal to State:		
		EA Approval:		
		Decision		
		Determination Date:		
		Transmittal to State:		
		EA Approval:		
		Decision		
		Determination Date:		
		Transmittal to State:		
		EA Approval:		
		FONSI:		
	Total Estimated Cost			
	\$250,000.00			

1/25/2007